

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1046775

Luminaire Tested: 22PTR-60-PC3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PC3-L840-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

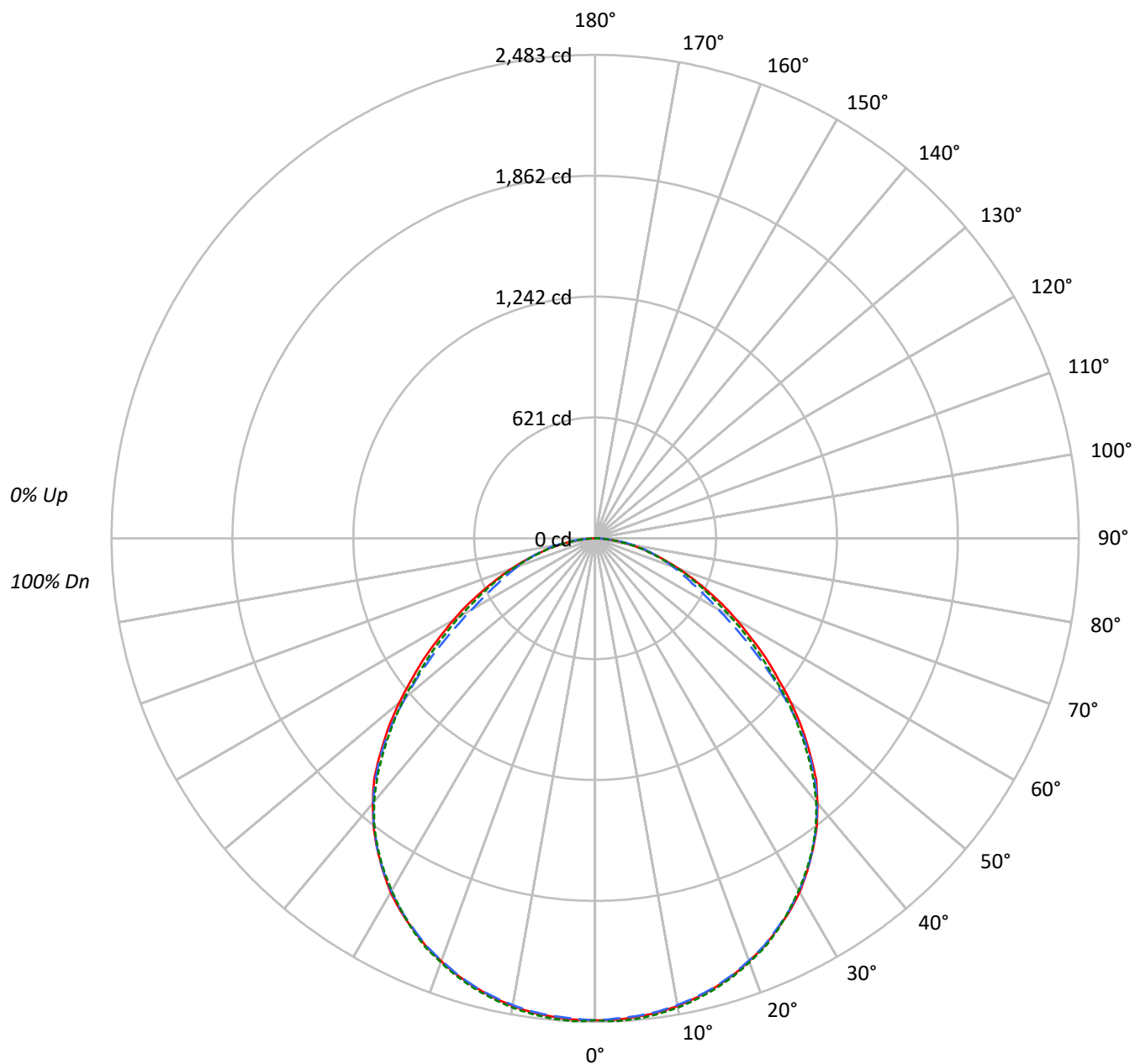
Lumens per Lamp: N/A
Luminaire Lumens: 6242.9 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.9	3.8
10°-20°	674.1	10.8
20°-30°	1020.7	16.3
30°-40°	1216.9	19.5
40°-50°	1189.0	19.0
50°-60°	909.2	14.6
60°-70°	583.7	9.4
70°-80°	324.7	5.2
80°-90°	89.7	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1929.7	30.9
0°-40°	3146.6	50.4
0°-60°	5244.8	84.0
0°-90°	6242.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6242.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2476	2476	2476	2476	2476	
5°	2468	2469	2463	2475	2477	235
15°	2387	2389	2384	2392	2395	674
25°	2214	2217	2211	2218	2219	1021
35°	1950	1952	1948	1948	1945	1218
45°	1559	1562	1547	1544	1531	1199
55°	1068	1031	982	994	1026	955
65°	634	585	552	570	608	633
75°	305	307	310	306	299	326
85°	66	78	79	76	66	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2476.2	2476.2	2476.2	2476.2	2476.2
2.5°	2474.6	2475.6	2469.2	2479.8	2483.3
5°	2467.6	2469.2	2463.0	2474.6	2477.2
7.5°	2456.9	2458.5	2452.4	2464.0	2465.0
10°	2439.2	2440.2	2434.7	2446.3	2447.9
12.5°	2415.4	2418.0	2411.9	2422.5	2423.1
15°	2386.8	2388.7	2384.2	2392.3	2394.8
17.5°	2353.3	2354.3	2349.8	2358.5	2359.4
20°	2311.5	2311.5	2307.9	2317.9	2317.9
22.5°	2269.0	2266.4	2265.5	2269.0	2274.5
25°	2214.3	2216.9	2210.8	2217.8	2219.4
27.5°	2161.2	2161.2	2155.7	2159.3	2154.8
30°	2100.1	2096.5	2093.0	2093.6	2089.4
32.5°	2026.4	2026.4	2024.8	2024.8	2019.3
35°	1950.4	1952.0	1948.5	1947.5	1945.0
37.5°	1868.7	1871.6	1865.1	1863.5	1861.6
40°	1775.7	1775.7	1773.1	1769.6	1765.1
42.5°	1679.1	1679.1	1667.9	1658.9	1652.8
45°	1558.8	1562.3	1547.2	1543.7	1531.4
47.5°	1439.1	1436.5	1416.2	1413.7	1406.6
50°	1311.7	1296.5	1267.6	1275.3	1281.7
52.5°	1184.2	1165.6	1123.1	1131.8	1142.4
55°	1068.0	1031.0	981.5	993.7	1025.6
57.5°	946.7	897.2	847.6	870.8	910.4
60°	839.6	783.9	729.8	754.6	800.6
62.5°	736.9	677.7	634.3	658.1	697.0
65°	634.3	585.4	551.9	570.2	608.5
67.5°	540.3	507.5	484.6	493.3	524.2
70°	455.3	434.8	422.5	425.1	442.8
72.5°	374.6	369.4	364.9	364.9	366.5
75°	304.7	307.3	309.9	305.7	298.6
77.5°	240.1	248.8	255.2	246.2	237.5
80°	176.3	190.5	198.5	188.6	175.4
82.5°	120.4	136.4	139.0	132.9	117.8
85°	66.3	77.9	78.8	76.3	66.3
87.5°	24.8	29.3	31.9	29.3	25.7
90°	0.0	0.0	0.0	0.0	0.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)